



# 深圳市英佳创电子科技有限公司

## 产品天线调测报告

时间：2022年12月14日

拟制：陈江帆

审核：方文锋

批准：肖汉

深圳公司地址：深圳市光明区马田办事处将石宏域光明谷A&C栋

杭州公司地址：杭州滨江区物联网街369号大华江虹国际创新园B栋212

电 话：0755-27810060

传 真：0755-27810057

网 址：<http://www.szsyjc.com>

邮 箱：[yjc@szsyjc.com](mailto:yjc@szsyjc.com)

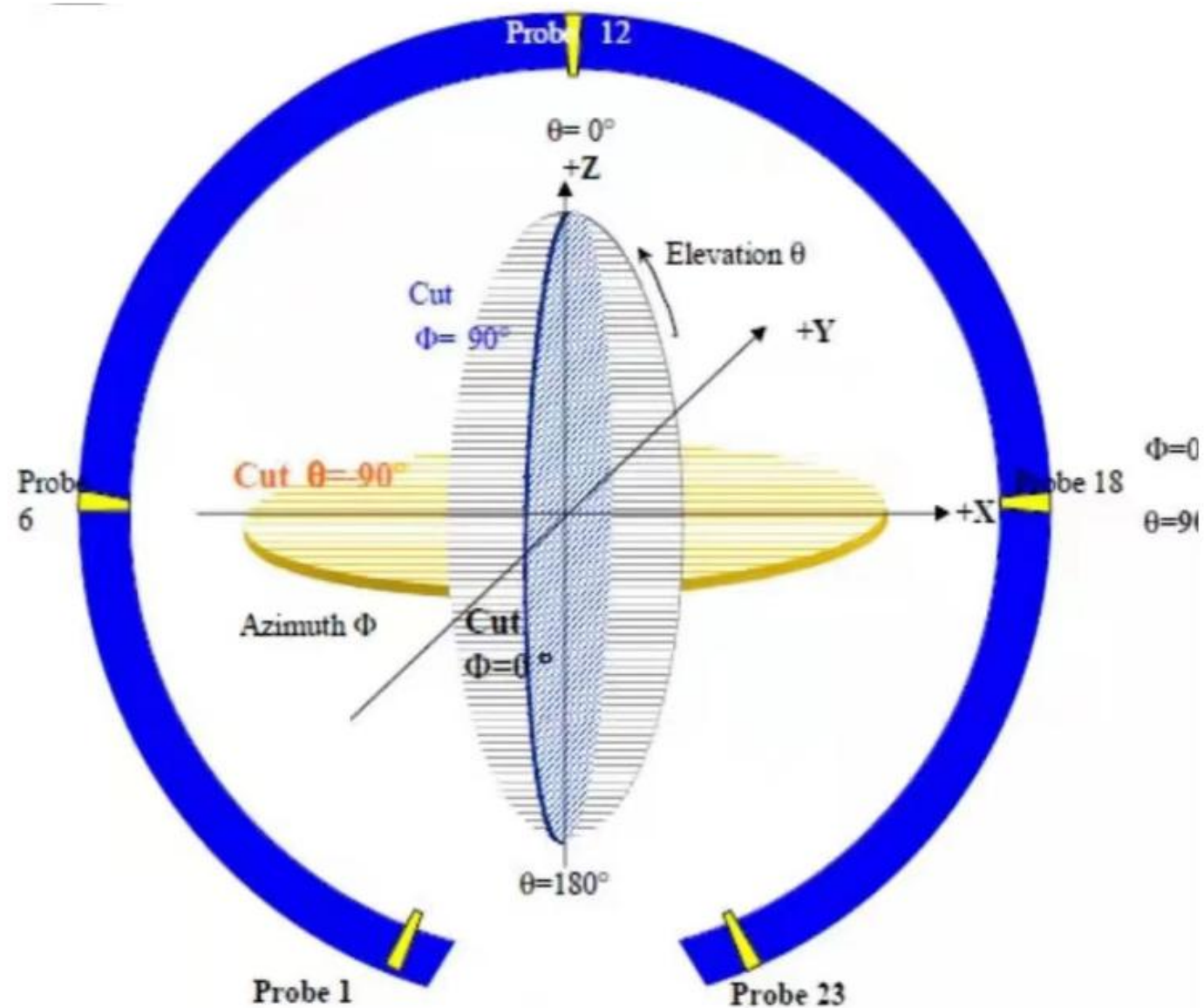
# 一、项目概况

客户名称	项目名称	天线实现方式
1063		内置天线
工作频段 (MHz)		
		470-510 MHz
		860-870 MHz
		902-928 MHz
		2400-2500 MHz/ 5150-5850 MHz

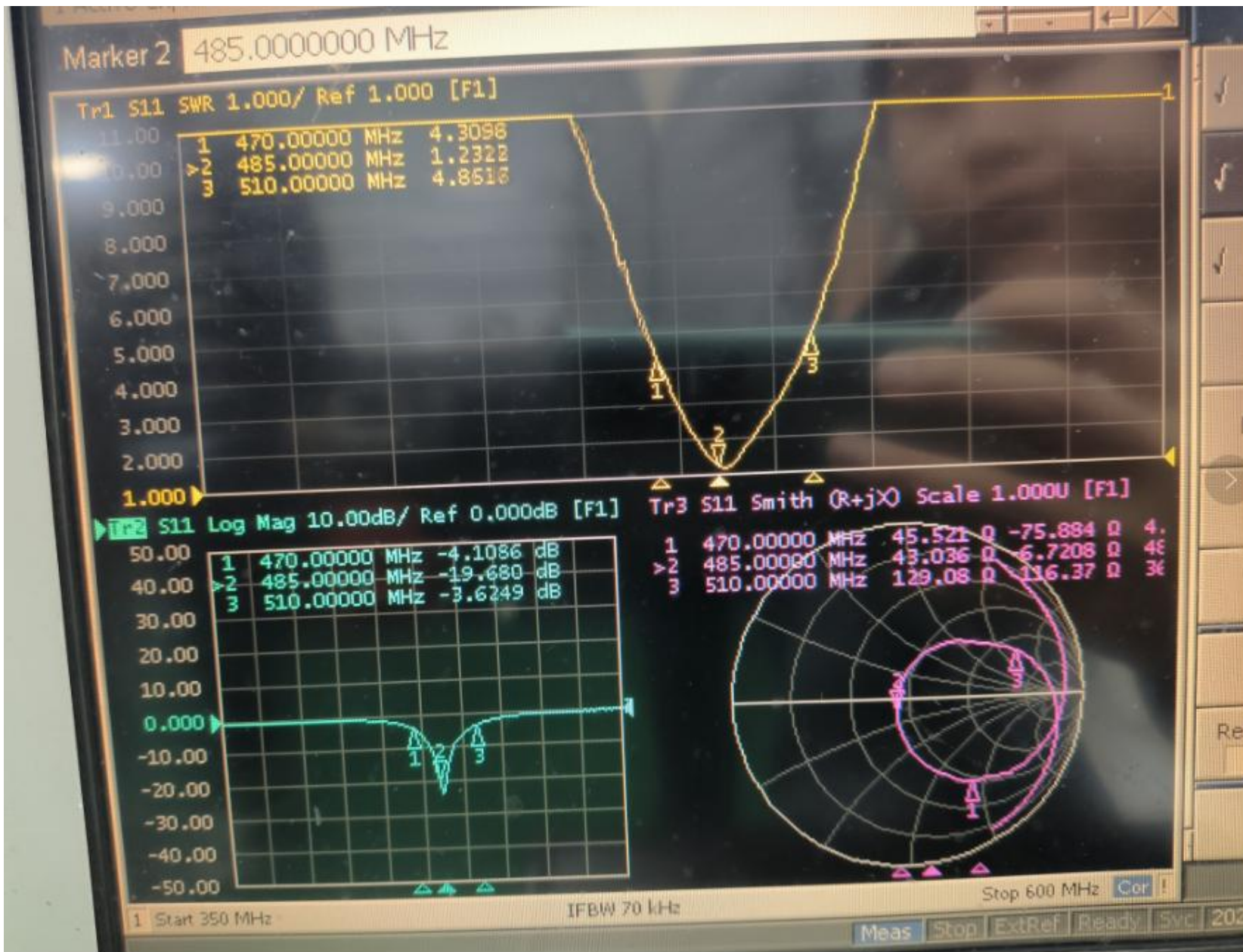
# 目录:

4. 暗室3D坐标系示意图
5. 天线470-510MHz驻波图
6. 天线470-510MHz无源测试数据
7. 天线470-510MHz测试2D3D图
8. 天线860-870MHz驻波图
9. 天线860-870MHz无源测试数据
10. 天线860-870MHz测试2D3D图
11. 天线902-928MHz驻波图
12. 天线902-928MHz无源测试数据
13. 天线902-928MHz测试2D3D图
14. 天线2.4G/5.8G驻波图
15. 天线2.4G/5.8G无源测试数据
16. 天线2.4G/5.8G测试2D图
17. 天线2.4G/5.8G测试3D图

暗室3D坐标系示意图



# 天线470-510MHz驻波图

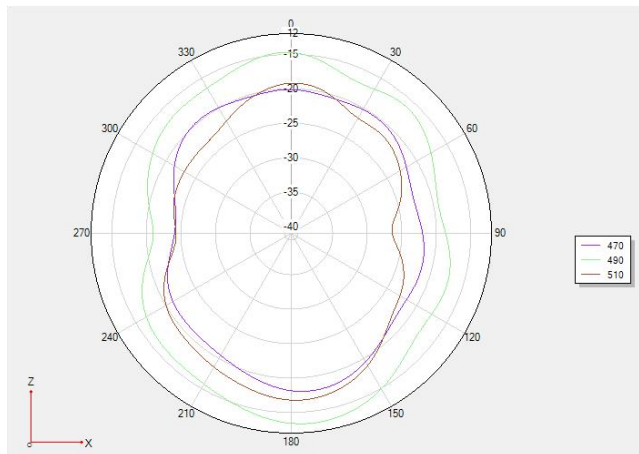


## 天线470-510MHz无源测试数据

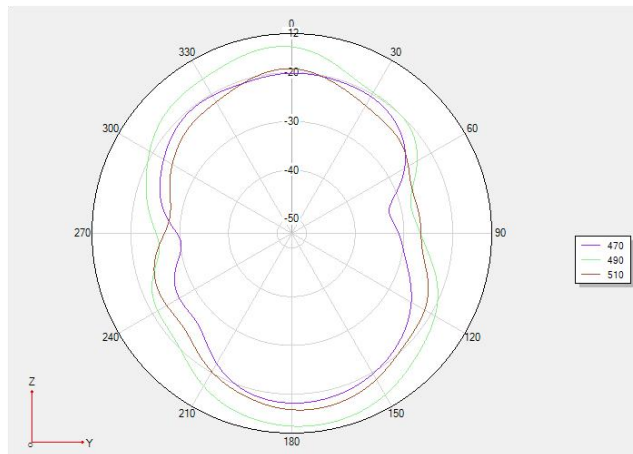
Frequency / MHz	Efficiency / %	Gain/ dBi
470	0.31	-17.96
480	0.62	-15.03
490	1.02	-13.14
500	0.84	-13.67
510	0.35	-16.6

# 天线470-510MHz测试2D3D图

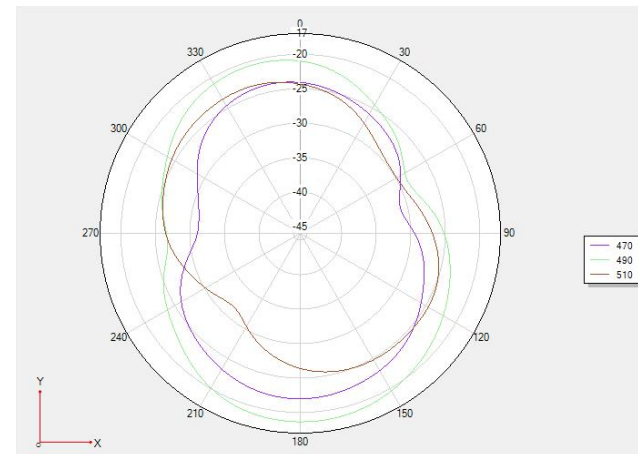
## Phi 0 2D图



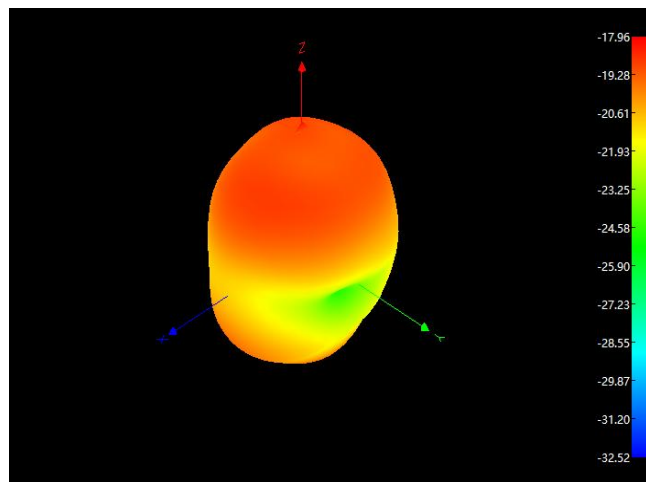
## Phi 90 2D图



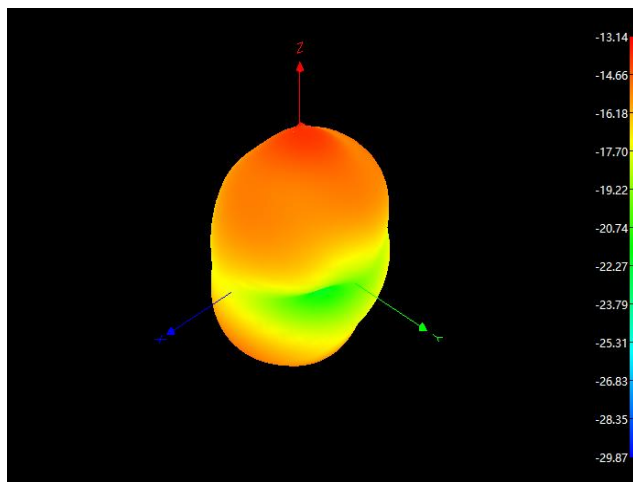
## Theta 90 2D图



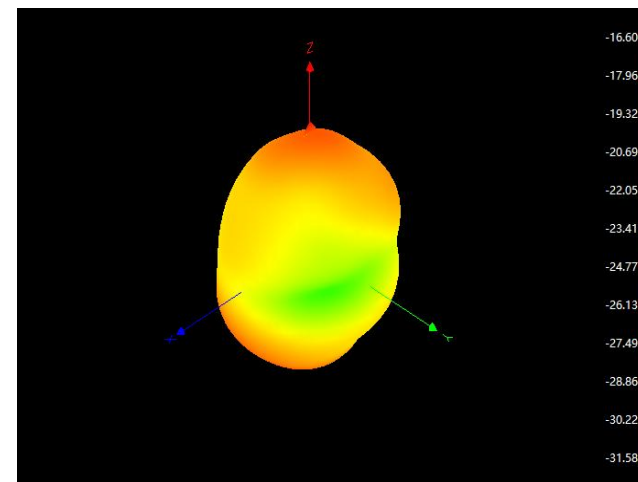
## 470



## 490



## 510



# 天线860-870MHz驻波图



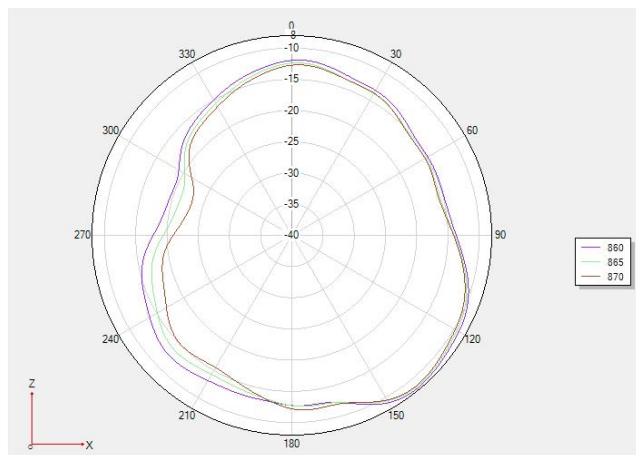


## 天线860-870MHz无源测试数据

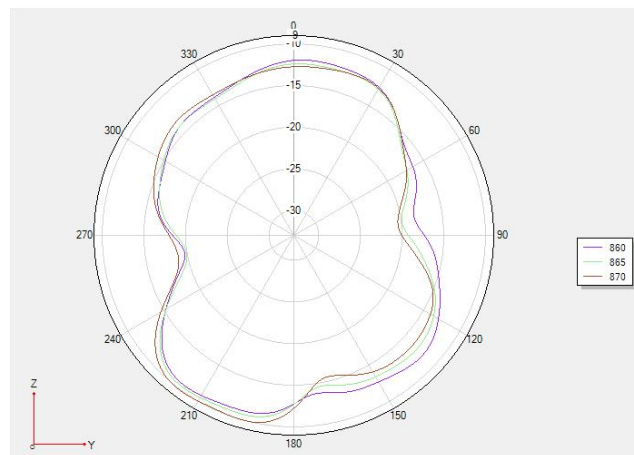
Frequency / MHz	Efficiency / %	Gain/ dBi
860	4.4	-7.74
861	4.41	-7.68
862	4.36	-7.72
863	4.32	-7.81
864	4.2	-7.99
865	4.16	-8.04
866	4.09	-8.16
867	4.06	-8.19
868	4.06	-8.17
869	4.03	-8.22
870	4.01	-8.27

# 天线860-870MHz测试2D3D图

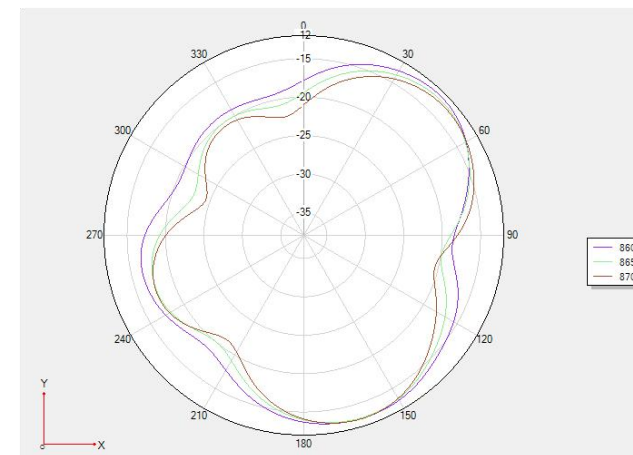
## Phi 0 2D图



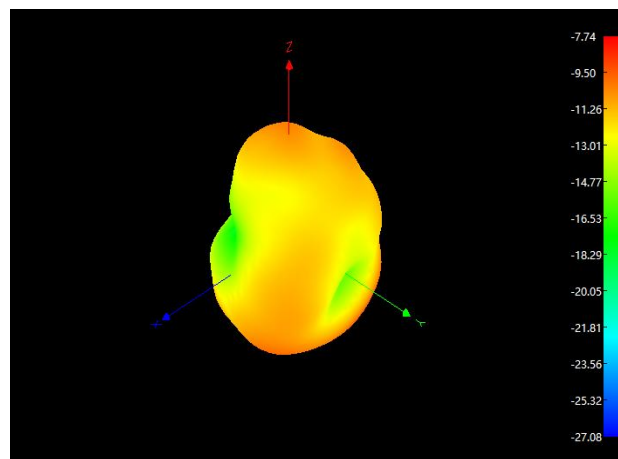
## Phi 90 2D图



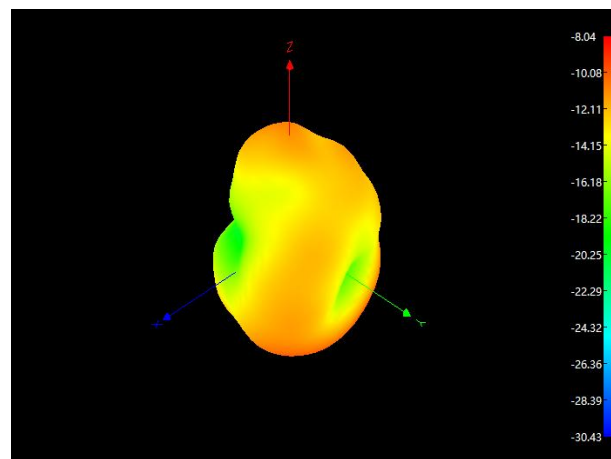
## Theta 90 2D图



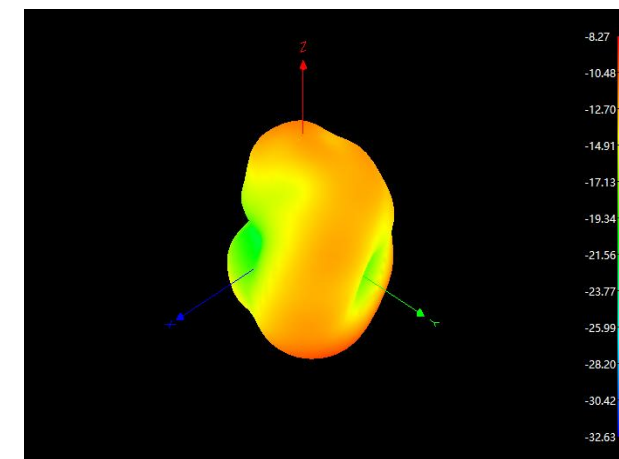
## 860



## 865



## 870



# 天线902-928MHz驻波图

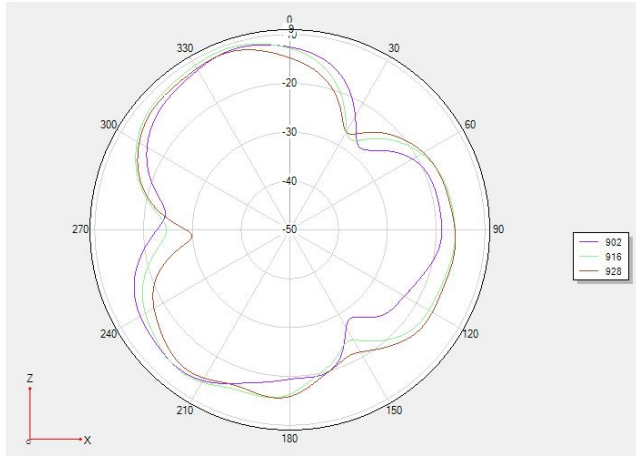


## 天线902-928MHz无源测试数据

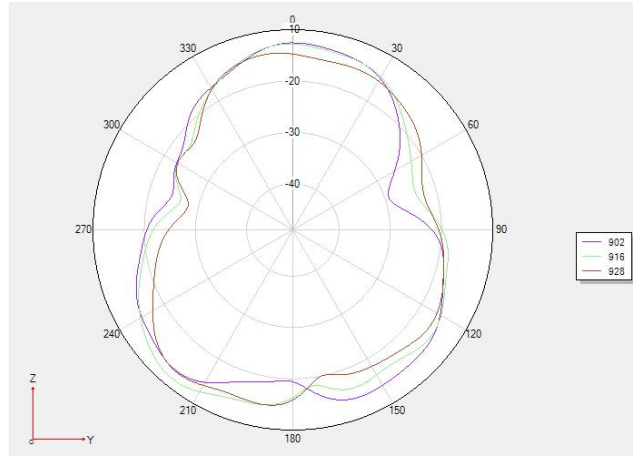
Frequency / MHz	Efficiency / %	Gain/ dBi
902	2.12	-11.25
904	2.11	-11.23
906	2.18	-11.15
908	2.23	-11.07
910	2.23	-10.95
912	2.23	-10.96
914	2.25	-10.81
916	2.29	-10.64
918	2.28	-10.6
920	2.19	-10.72
922	2.08	-10.75
924	2.03	-10.85
926	1.99	-11.13
928	1.92	-11.46

# 天线902-928MHz测试2D3D图

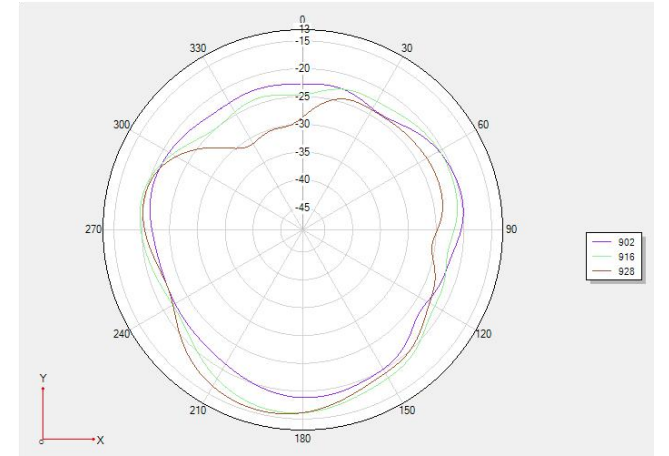
## Phi 0 2D图



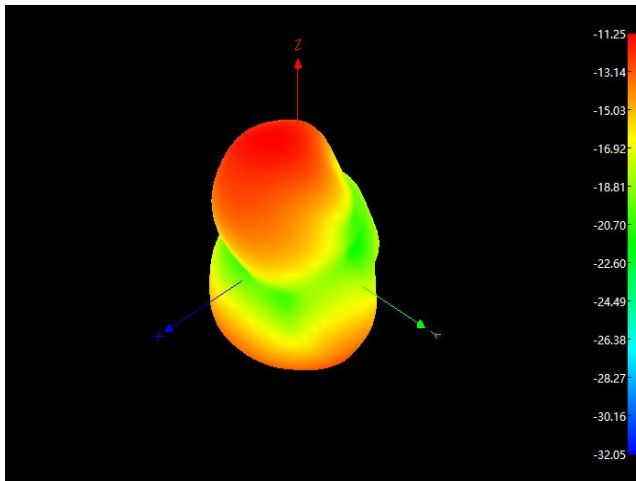
## Phi 90 2D图



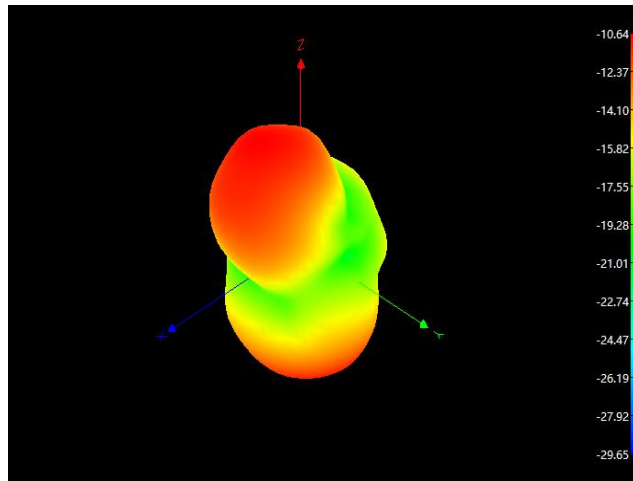
## Theta 90 2D图



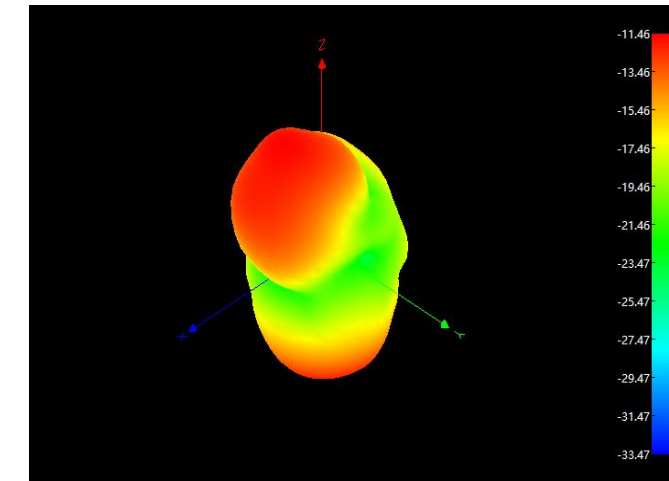
## 902



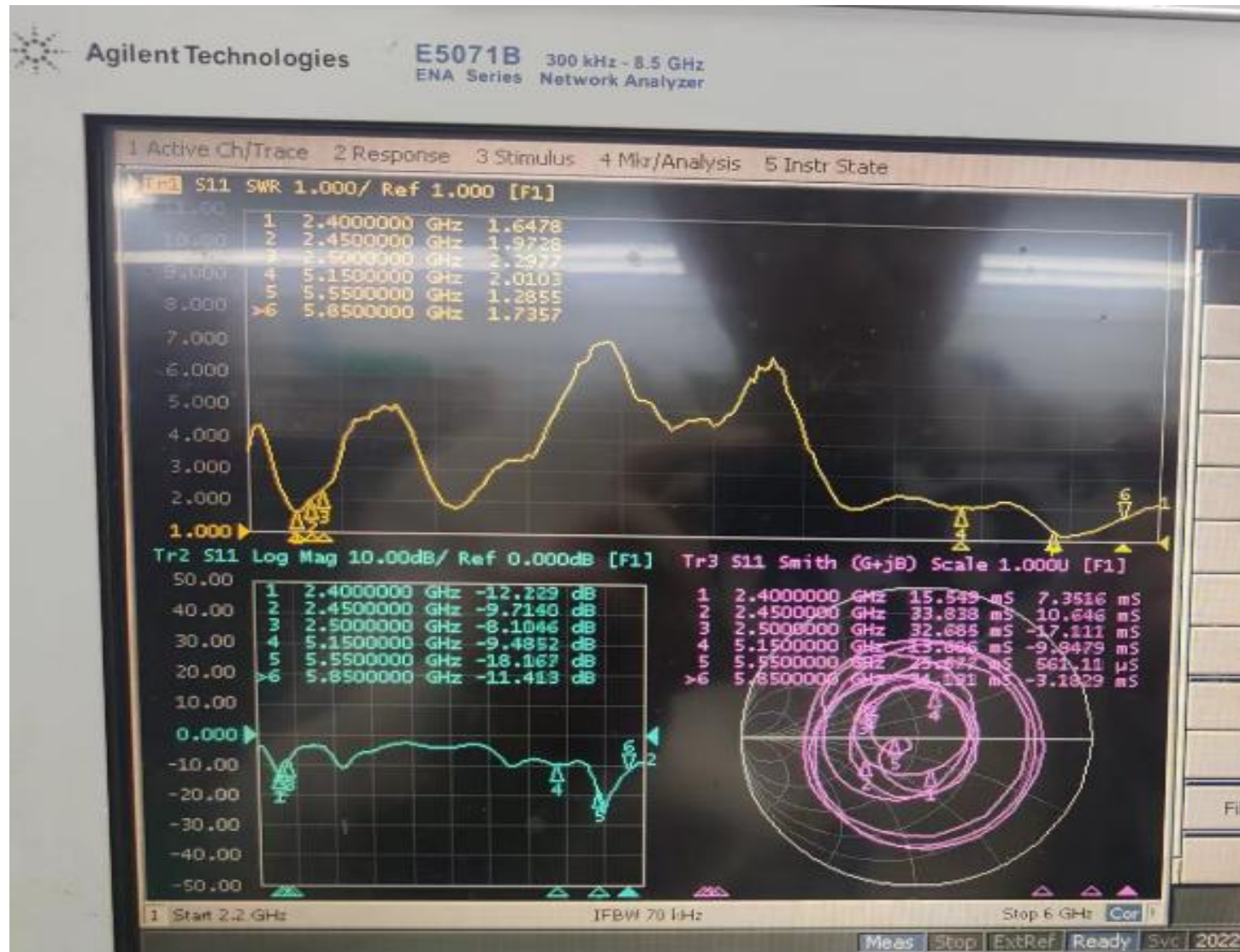
## 916



## 928



# 天线2.4G/5.8G驻波图

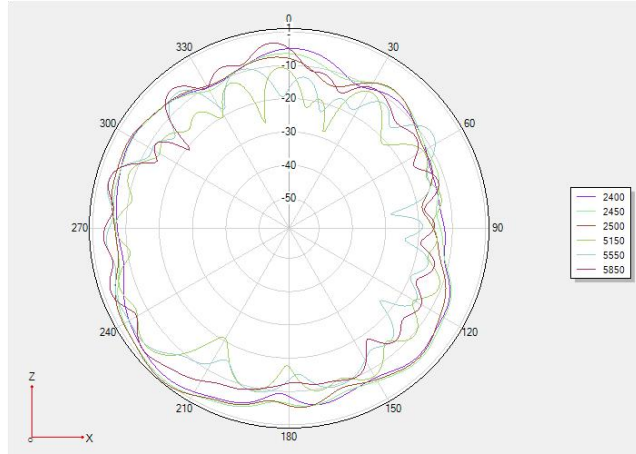


# 天线2.4G/5.8G无源测试数据

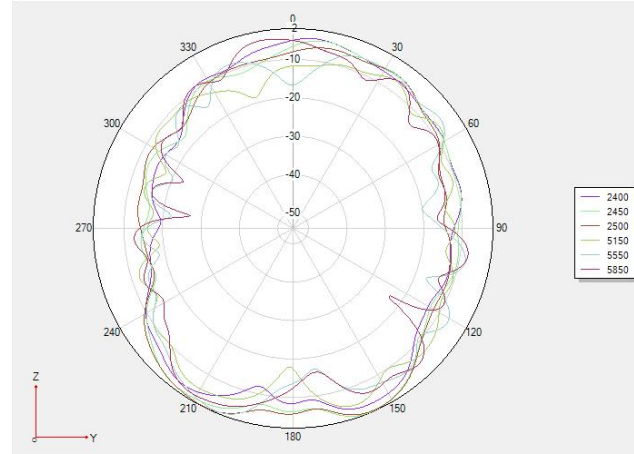
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	17.99	1.65
2410	19.95	2.26
2420	19.36	1.73
2430	20	1.7
2440	19.91	1.47
2450	21.18	1.7
2460	20.7	1.48
2470	19.72	1.14
2480	20.32	1.63
2490	19.68	1.31
2500	18.92	1.26
5150	8.63	-3.33
5250	10.16	-3.58
5350	10.96	-2.89
5450	11.12	-2.18
5550	13.12	-0.99
5650	14.39	-0.8
5750	15.85	0.06
5850	13.65	-0.74

# 天线2.4G/5.8G测试2D图

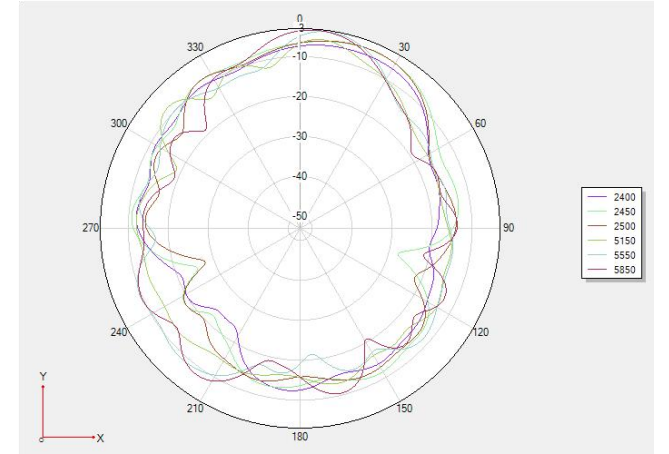
## Phi 0 2D图



## Phi 90 2D图



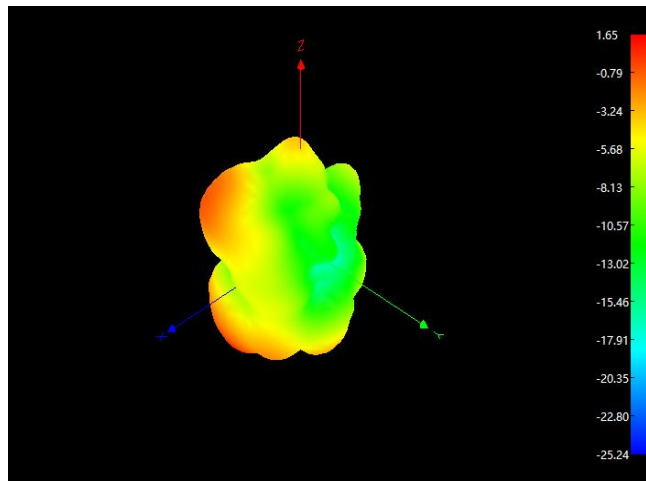
## Theta 90 2D图



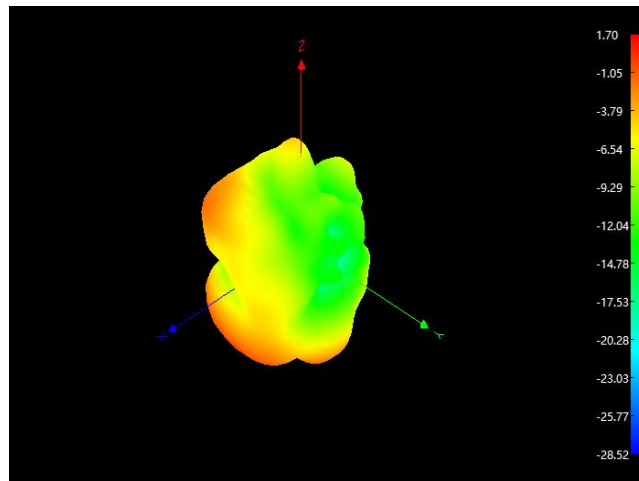


# 天线2.4G/5.8G测试3D图

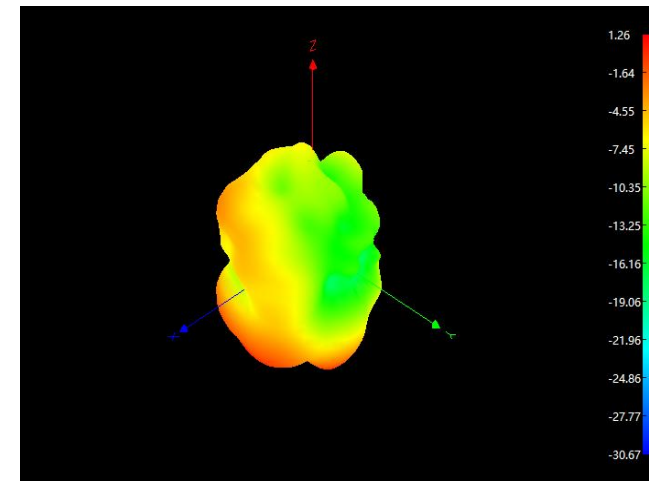
2400



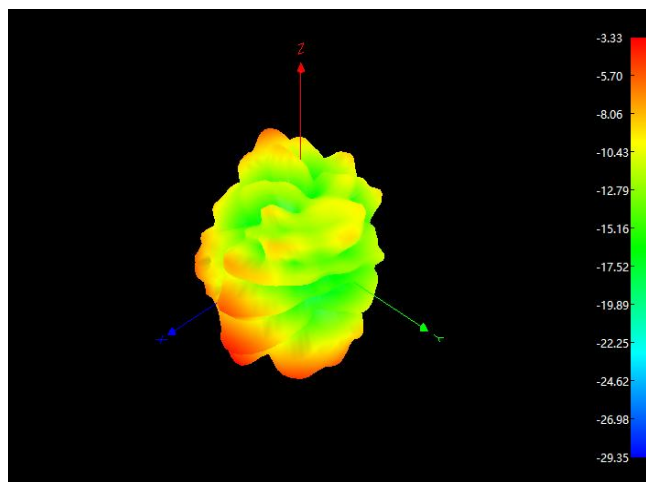
2450



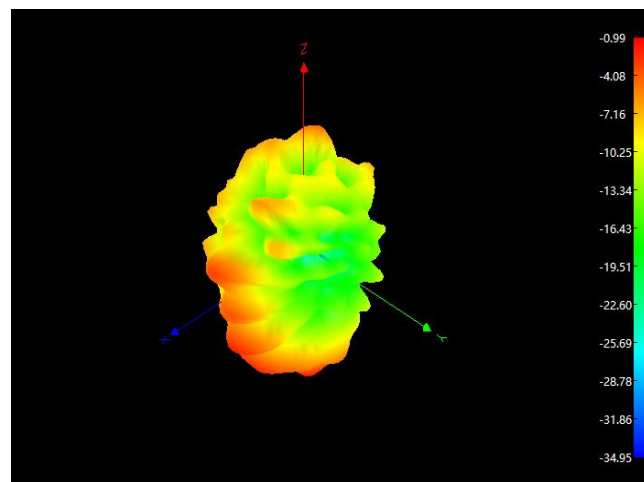
2500



5150



5550



5850

